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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

SPR01L SERIES

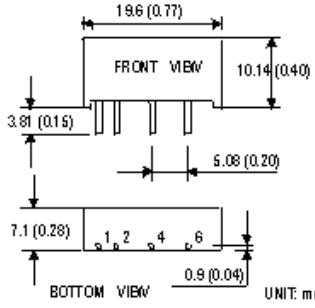
Jameco Part Number 216830 (SPR01L-12)

.REGULATED DC OUTPUT
.1000VDC I/O ISOLATION
.INPUT FILTER:CAPACITOR TYPE
.INTERNAL SMD TECHNOLOGY
.NO EXTERNAL COMPONENTS REQUIRED

.HIGH RELIABILITY / LOW COST
.100% BURN-IN TEST
.MTBF:800,000 HOURS

ORDER NO. / SPECIFICATION	SPR01L-05	SPR01L-09	SPR01L-12	SPR01L-15
DC OUTPUT VOLTAGE	5V	9V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	200mA	100mA	84mA	67mA
OUTPUT CURRENT RANGE	0-200mA	0-100mA	0-84mA	0-67mA
RIPPLE & NOISE	100mVp-p (max.)			
LINE REGULATION	± 1%	± 1%	± 1%	± 1%
LOAD REGULATION	± 1%	± 1%	± 1%	± 1%
DC OUTPUT POWER	1W	0.9W	1W	1W
EFFICIENCY	57%	58%	61%	62%
SWITCHING FREQUENCY	100KHz min.			
INPUT VOLTAGE RANGE	5V± 10% (4.5~5.5VDC)			
INPUT CURRENT	350mA max.			
SHORT CIRCUIT PROTECTION	MOMENTARY			
OVER VOLTAGE PROTECTION	----------			
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:1KVDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
ISOLATION CAPACITANCE	80pF max.			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	0.77"*0.4"*0.28"			
WEIGHT	2.1g			
CASE METERIAL	NON-CONDUCTIVE PLASTIC			

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
1	+Vin
2	-Vin
4	-Vout
6	+Vout

NOTE :
1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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